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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/838,979	04/19/2001	Peter V. Radatti	16-00	1266	
7590 09/23/2004			EXAMINER		
CyberSoft, Inc			KLIMACH,	KLIMACH, PAULA W	
1508 Butler Pike Conshohocken,	•		ART UNIT	PAPER NUMBER	
<b>,</b>			2135		
			DATE MAILED: 09/23/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.



		Application No.	Applicant(s)	- <del> </del>
	Ossia a Action Communication	09/838,979	09/838,979 RADATTI, PETER V.	
	Office Action Summary	Examiner	Art Unit	
		Paula W Klimach	2135	
Period fo	The MAILING DATE of this communica or Reply	tion appears on the cover she	et with the correspondence add	ress
THE I - Exter after - If the - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA sions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communi period for reply specified above is less than thirty (30) d period for reply is specified above, the maximum statute to reply within the set or extended period for reply will eply received by the Office later than three months after ad patent term adjustment. See 37 CFR 1.704(b).	ATION. 67 CFR 1.136(a). In no event, however, no cation. ays, a reply within the statutory minimum pry period will apply and will expire SIX (6 , by statute, cause the application to beco	nay a reply be timely filed  of thirty (30) days will be considered timely. ) MONTHS from the mailing date of this comme ABANDONED (35 U.S.C. § 133).	ımunication.
Status				:
1)[	Responsive to communication(s) filed	on <u>19 April 2001</u> .		7
2a) <u></u> ☐				
3)	Since this application is in condition for closed in accordance with the practice	•	· •	merits is
Dispositi	on of Claims			
5)□ 6)⊠ 7)□	Claim(s) 1-12 is/are pending in the app 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) 1-12 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	withdrawn from consideratior		
Applicati	on Papers			
9) 🗌 🤈	The specification is objected to by the E	Examiner.		
10)[	The drawing(s) filed on is/are: a	)□ accepted or b)□ objecte	d to by the Examiner.	
	Applicant may not request that any objection		• , ,	
11)	Replacement drawing sheet(s) including the			, ,
	The oath or declaration is objected to b	y the Examiner. Note the atta	- ··· -	)- 15Z, —
Priority u	nder 35 U.S.C. § 119			
a)[	Acknowledgment is made of a claim for All b) Some * c) None of:  1. Certified copies of the priority do  2. Certified copies of the priority do  3. Copies of the certified copies of application from the International see the attached detailed Office action for the certified copies of the certified copies of application from the International see the attached detailed Office action for the certified copies of the priority do	cuments have been received cuments have been received the priority documents have b I Bureau (PCT Rule 17.2(a)).	in Application No been received in this National S	tage
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	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO		view Summary (PTO-413) r No(s)/Mail Date	
3) 🔲 Inform	nation Disclosure Statement(s) (PTO-1449 or PT · No(s)/Mail Date		e of Informal Patent Application (PTO-1	152)

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#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 103

Claims 1-4 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jordan (2002/0073323 A1).

In reference to claim 1 and 6, Jordan discloses a system and method for detecting computer viruses that attempt to gain access to restricted computer (abstract). The method includes writing the results and scanning the results for the presence of proscribed code (page 3 paragraph 0028).

Although Jordan does not expressly disclose interpreting code, Jordan discloses an emulator that emulates the executable code (page 3 paragraph 0028).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to use the emulator to perform the function of the interpreter. One of ordinary skill in the art would have been motivated to do this because it is desirable that the malicious code is not executed and the interpreter and the emulator do not execute the code, instead they simulate the execution of the code.

In reference to claim 2, wherein the step of scanning further comprising a first scanning step for the presence of code of interest. Jordan discloses detecting modification of memory (page 3 paragraph 0027) and therefore code of interest.

In reference to claim 3, wherein the first scanning step for the presence of code of interest further comprises scanning for a file open command or a file modify command. Jordan discloses detecting modification of memory (page 3 paragraph 0027). Modifying a file will modify memory.

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In reference to claim 4, wherein the step of scanning further comprising a second scanning step for the presence of proscribed code of interest. Jordan discloses detecting modification of memory (page 3 paragraph 0027), the access of memory includes accessing restricted computer system resources; this is the presence of proscribed code.

Claims 5, 7-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jordan as applied to claim 1, and 4 respectfully above, and further in view of Shieh et al (5,278,901).

In reference to claim 7, is rejected as in claim 1 a system and method for detecting computer viruses that attempt to gain access to restricted computer (abstract). The method includes interpreting code (emulator) that emulates the executable code (page 3 paragraph 0028), a reporter and a results evaluator (page 3 paragraph 0028), whereby the file is interpreted by the emulator and results generated those results sent to the evaluator (detector) that determines if malicious code is present and then the results are reported. However Jordan does not expressly disclose a pattern analyzer.

However Shieh discloses a pattern-oriented system and method of intrusion detection (column 4 lines 9-22). The patter-oriented system is used to detect virus propagation (xolumn 16 lines 31 to column 17 line 30); therefore the pattern analyzer reviews patterns for the presence of proscribed code.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to add a pattern analyzer for detection for intrusion detection as in the system by Shieh in the system of Jordan. One of ordinary skill in the art would have been motivated to do

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this because patterns are a simple way of defining deviation from the normal operation of the system.

In reference to claim 5, Jordan does not expressly disclose a system wherein the second scanning step for the presence of proscribed code of interest further comprises scanning for viral code or viral patterns.

However Shieh discloses a pattern-oriented system and method of intrusion detection (column 4 lines 9-22).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to use pattern detection for intrusion detection as in the system by Shieh in the system of Jordan. One of ordinary skill in the art would have been motivated to do this because patterns are a simple way of defining deviation from the normal operation of the system.

In reference to claim 8, wherein the step of scanning further comprising a first scanning step for the presence of code of interest. Jordan discloses detecting modification of memory (page 3 paragraph 0027) and therefore code of interest.

In reference to claim 9, wherein the first scanning step for the presence of code of interest further comprises scanning for a file open command or a file modify command. Jordan discloses detecting modification of memory (page 3 paragraph 0027). Modifying a file will modify memory.

In reference to claims 10-12, Jordan does not expressly disclose the pattern analyzer further reviews said code for the presence of code of interest.

Shieh dislcoses the pattern analyzer reviews code for the presence of problems, or code of interest (column 4 line 60 to column 5 line 11).

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At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to use pattern detection for code of interest as in the system by Shieh in the system of Jordan. One of ordinary skill in the art would have been motivated to do this because patterns are a simple way of defining deviation from the normal operation of the system.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paula W Klimach whose telephone number is (703) 305-8421. The examiner can normally be reached on Mon to Thr 9:30 a.m to 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (703) 305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

The 2100 Tech center will move to Carlyle in October 2004. The new telephone number for the receptionist is (571) 272-2100. The examiner's new telephone number will be (571) 272-3854.

KIM VU HRY PATENT EXAMEL

MOLOGY CENTER 2100